

IAP17 Rec'd PCT/PTO 28 APR 2006

AMENDMENTS TO THE CLAIMS

1. (currently amended) A sealed rolling bearing comprising:
~~an outer member (1; 30) formed with at least one outer raceway surface on its inner circumferential surface; with outer raceway surface (8; 29); an inner member (4, 5; 32) formed with at least one inner raceway surface on its outer circumferential surface, said inner raceway surface with inner raceway surface (9a, 9b; 31) arranged oppositely to the outer raceway surface; (8; 29); rolling elements (10; 34) contained freely rollably contained between the outer and inner raceway surfaces; and sealing devices (12, 13; 35) arranged in an annular space formed between the outer and inner members (1; 30 and 4, 5; 32) characterized in that: each of the sealing devices (12, 13; 35) has sealing lips (27a~27c, 23~25; 37a, 37b) of an elastic member; that the maximum height Ry or Rmax of the surface roughness of a sliding surface of a member of a rotational side, (18, 4; 32) to which the sealing lips (27a~27c, 23~25; 37a, 37b) sliding contact, is limited to a value at of 2.0 μ m or less, and that the run-out of the sliding surface, normal thereto, is limited to a value of at 30 μ m or less.~~

2. (currently amended) The [[A]] sealed rolling bearing of claim 1 wherein the sealing device includes (12) comprises a a sealing ring (17 or 15, 16) mounted on a member (1) of a stationary side and a slinger (18) mounted on a member (5) of a rotational side, and wherein the sealing lips (23~25) forming the sealing ring (17 or 15, 16) are sliding contact contacted to the slinger (18).

3. (currently amended) The [[A]] sealed rolling bearing of claim 1 wherein the sealing device (13) includes comprises a sealing ring, (26, 27) mounted on a member of a stationary side, with and including side lips (27a, 27b) and a radial lip (27c), and wherein the sealing lips (27a-27c) are directly slidably directly slidably contacted to the member of a rotational side.

4. (currently amended) The [[A]] sealed rolling bearing of claim 1 wherein the sealing device includes comprises a sealing ring (35), mounted on a member of a stationary side, with (30) and including a main lip (37a) and a sub lip (37b), wherein the main lip (37a) is directly slidably contacted to a sealing groove (38) formed on a member of a rotational side, said sealing groove (32) and having a substantially U-shaped cross-section, and wherein the sub lip (37b) is slidably contacted to a ridge (40) of the sealing groove (38) via a small interference.

5. (currently amended) The [[A]] sealed rolling bearing of any one of claims 1-4 wherein the maximum height Ry or Rmax of the surface roughness of the sliding surface is limited to a value at of 1.2 μ m or less, and the run-out of the sliding surface, normal thereto, is limited to a value of at 10 μ m or less.